

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/010029

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B01D39/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B01D39/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP, 2002-306915 A (Denso Corp.), 22 October, 2002 (22.10.02), Claims; Par. Nos. [0040] to [0044] & US 2002/108360 A1 & EP 1231363 A2	1-8
A	JP 59-28010 A (Nippondenso Co., Ltd.), 14 February, 1984 (14.02.84), Claims & US 4519820 A	1-8
A	JP 2002-60279 A (NGK Insulators, Ltd.), 26 February, 2002 (26.02.02), Claims & US 2003/53940 A1 & EP 1291061 A1	1-8

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- "&" document member of the same patent family

Date of the actual completion of the international search
28 September, 2004 (28.09.04)

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Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	JP 2004-108331 A (Hino Motors, Ltd.), 08 April, 2004 (08.04.04), Claims; Par. Nos. [0034] to [0035]; Fig. 3 (Family: none)	1-8